

of individual images which is necessary in order to set a separation marker of the first type, or with the last image before a separation marker of the second type, if it contains at least the minimum number of images of a sequence which is necessary in order to be terminated by separation markers of the second type.

20. (Amended) Method according to claim 1, **characterized** in that a selected individual image, preferably the first individual image in each case, of an individual sequence is displayed as an icon on a monitor, and in that the individual sequence is started by clicking on the icon.

21. Method according to Claim 20, **characterized** in that a sequence of individual sequences is started for viewing by clicking on a plurality of icons.

22. (Amended) Use of the method according to claim 1 for automatically separating digitized films, in particular cardiological films, into individual sequences.

#### REMARKS

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "Version with markings to show changes made."

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

5. (Amended) Method according to ~~at least one of the preceding claims~~ claim 1, characterized in that the image sequences are digitized before the determination of sequence changes of the first and second types.
6. (Amended) Method according to ~~at least one of the preceding claims~~ claim 1, characterized in that the image sequences are firstly examined for separation markers of the first type and, in the absence of separation markers of the first type, are examined for separation markers of the second type.
10. (Amended) Method according to ~~at least one of the preceding Claims 7 to 9~~ claim 7, characterized in that separation markers of the second type are taken into account only if the preceding image sequence contains a predetermined number of individual images.
11. (Amended) Method according to ~~at least one of the preceding claims~~ claim 1, characterized in that separation markers which are based on image sequences which fall below a predetermined number of individual images are discarded.
12. (Amended) Method according to ~~at least one of the preceding claims~~ claim 1, characterized in that separation markers of the first type comprise a predetermined number of successive black or white images.
13. (Amended) Method according to ~~at least one of the preceding claims~~ claim 1 characterized in that the images identified as separation markers are themselves not stored, and in that the first image after the separation marker is the first image of the next image sequence.
14. (Amended) Method according to ~~at least one of the preceding claims~~ claim 1, characterized in that a moving mean value of the image brightnesses is calculated over a predetermined number of individual images and a lower and an upper peripheral value are determined from the moving mean value and a parameter for the response sensitivity of the separation markers of the first type, and in that a white separation marker is set if the mean value of the current image exceeds the upper threshold value, and in that a black separation marker is set if the mean value of the current image falls below the lower threshold value.

16. (Amended) Method according to ~~at least one of the preceding claims~~ claim 1, characterized in that, in order to find separation markers of the second type between the current and the preceding image, the RMS deviation of the pixel brightnesses is calculated, in that a moving mean value of the RMS deviations is determined over a predeterminable number of preceding image changes and a threshold value is determined from a parameter specifying the response sensitivity for separation markers of the second type, and in that a separation marker is set if the RMS deviation of the current image change exceeds the threshold value.

19. (Amended) Method according to ~~at least one of the preceding claims~~ claim 1, characterized in that a sequence starts with the first image of a file or with the first image after a separation marker of the first type or with a separation marker of the second type and ends with the last image of the file or with the last image before a separation marker of the first type, if it acquires at least the number of individual images which is necessary in order to set a separation marker of the first type, or with the last image before a separation marker of the second type, if it contains at least the minimum number of images of a sequence which is necessary in order to be terminated by separation markers of the second type.

20. (Amended) Method according to ~~at least one of the preceding claims~~ claim 1, characterized in that a selected individual image, preferably the first individual image in each case, of an individual sequence is displayed as an icon on a monitor, and in that the individual sequence is started by clicking on the icon.

22. (Amended) Use of the method according to ~~at least one of the preceding claims~~ claim 1 for automatically separating digitized films, in particular cardiological films, into individual sequences.